



# **CLOSE QUARTERS PLATE COMPACTOR, 4.5 HP**

**Model 96318**

## **OPERATING INSTRUCTIONS**



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**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

## PRODUCT SPECIFICATIONS

Operating Walking Speed	0-82 Feet (0-25 Meters) Per Minute
Maximum Centrifugal Force	2200 Pounds
Vibration Frequency	5,500 Vibrations Per Minute
Engine Type	4.5 HP Robin Subaru Engine Engine Family: 6FJXS.1271GA Model Number: EX-13 4 Stroke Unleaded Gasoline Powered Engine Approval: 2006 U.S. EPA phase 2 SNRE 2006 California S.L. Sore's EVH & EVP
Plate Size	13-7/8" W X 20" L
Belts	2 #A838 1/2" Wide V-belts (included)
Overall Dimensions	39-49/64" L X 19-11/16" W X 34-5/8" H
Weight	143 Pounds

**The Emission Control System for this engine is warranted for standards set by the U.S. Environmental Protection Agency and by the California Air Resources Board (also known as CARB). For warranty information, refer to the last pages of this manual.**

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## UNPACKING

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When unpacking, check to make sure all the parts shown on the Parts List are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

### SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

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## GENERAL SAFETY PRECAUTIONS

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**Failure to follow all instructions listed in the following pages may result in electric shock, fire, and/or serious injury. SAVE THESE INSTRUCTIONS.**

- 1. Do not operate the Plate Compactor in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which can ignite flammable materials.
- 2. Keep bystanders and children at least six feet away while operating the Plate Compactor.** Distractions can cause you to lose control. Protect others in the work area from debris such as chips and sparks. Provide barriers and shields as needed. Never allow children operate or play on or near the Plate Compactor.

3. **The Plate Compactor should only be used in outdoor areas.** Carbon monoxide fumes (from the gasoline engine) are a colorless, odorless gas that, if inhaled, can cause serious illness or death. If the Plate Compactor is used in enclosed spaces, the area must be well-ventilated and Engine exhaust fumes must be piped out of the enclosed space using leak-free, heat-resistant piping. The pipes should not use any flammable materials, nor should they be installed near the same. Engine exhaust fumes must be within legal limits.
4. **Before performing compacting work near buildings or above pipelines, check the effect of the vibrations on the buildings and pipelines.** If necessary, immediately stop the compacting work.

### **PERSONAL SAFETY**

1. **Stay alert.** Watch what you are doing and use common sense when operating the Plate Compactor. Do not use the Plate Compactor while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating this equipment may result in serious personal injury.
2. **Do not wear loose clothing or jewelry.** Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. **Avoid accidental starting.** The Gasoline Engine Ignition Switch must be off before transporting the Plate Compactor or performing any maintenance or service on the unit. Transporting or performing maintenance or service on equipment with the Engine Ignition Switch on invites accidents.
4. **Remove adjusting keys or wrenches before turning the Plate Compactor on.** A wrench or a key that is left attached to a rotating part of the equipment may result in personal injury.
5. **Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the equipment in unexpected situations.
6. **Use safety equipment.** Always wear ANSI approved safety goggles underneath a full face shield, a dust mask or respirator, hearing protection, and heavy-duty work boots and gloves.

### **TOOL USE AND CARE**

1. **Do not force the Plate Compactor.** Use the correct equipment for your application. The correct equipment will do the job better and safer at the rate for which it is designed.
2. **Do not use the Plate Compactor if the Engine Ignition Switch does not turn it on or off.** Any gasoline powered equipment that cannot be controlled with the Engine Ignition Switch is dangerous and must be repaired.

3. **Disconnect the Engine Spark Plug Wire from the Spark Plug before making any adjustments, changing accessories, or storing the equipment.** Such preventive safety measures reduce the risk of starting the equipment accidentally.
4. **Store idle equipment out of reach of children and other untrained persons.** Powered equipment is dangerous in the hands of children and untrained users. Never allow children to play on or near the Plate Compactor.
5. **Maintain the Plate Compactor with care.** Keep it clean. Do not use if damaged. Tag damaged equipment “Do not use” until repaired.
6. **Check for misalignment or binding of moving parts, cracking or breakage of parts, and any other condition that may affect the equipment’s operation. If damaged, have the Plate Compactor serviced before using.** Many accidents are caused by poorly maintained equipment.

### **SERVICE**

1. **Service on the Plate Compactor must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in injury.
2. **When servicing the Plate Compactor, use only identical replacement parts. Follow instructions in the “*Inspection, Maintenance, And Cleaning*” section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.

### **SPECIFIC SAFETY PRECAUTIONS**

1. **Maintain labels and nameplates on the Plate Compactor.** These carry important information. If illegible or missing, contact Harbor Freight Tools for a replacement.
2. **CAUTION! To avoid injury, keep hands, fingers, and feet away from the Base Plate (1).** Grip the Handle (66) of the Plate Compactor *firmly* with both hands. If both hands are holding the Handle and your feet are clear of the Compactor Base, your hands, fingers, and feet cannot be injured by the Compactor Base. Never place tools or any other item under the Plate Compactor.
3. **Industrial applications must follow OSHA requirements.**
4. **Keep all spectators at least six feet from the Plate Compactor during operation.** Add barriers (not included) if needed to keep spectators away.
5. **Never leave the Plate Compactor unattended while it is running.**
6. **Stay away from the edges of ditches and avoid actions that may cause the Plate Compactor to topple over.**

7. **Always ascend slopes carefully, in a direct path and in reverse to prevent the Plate Compactor from toppling over onto the operator.**
8. **Always park the Plate Compactor on a firm and level surface and shut the tool off.**
9. **People with pacemakers should consult their physician(s) before using this product.** Electromagnetic fields in close proximity to a heart pacemaker could cause interference to, or failure of, the pacemaker.
10. **WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm.** Some examples of these chemicals are:  
Lead from lead-based paints  
Crystalline silica from bricks and cement or other masonry products  
Arsenic and chromium from chemically treated lumber  
Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, et seq.)

### **FIRE AND EXPLOSION PRECAUTIONS**

1. **Gasoline fuel and fumes are flammable, and potentially explosive.** Use proper fuel storage and handling procedures. Always have multiple ABC class fire extinguishers nearby.
2. **Keep the Plate Compactor and surrounding area clean at all times.**
3. **When fuel or oil spills, it must be cleaned up immediately.** Dispose of fluids and cleaning materials according to any local, state, or federal codes and regulations. Store oil rags in an oil-waste approved, covered metal container with a ventilated bottom.
4. **Never store fuel or other flammable materials near the Plate Compactor.**
5. **Do not smoke, or allow sparks, flames or other sources of ignition around the Engine and Fuel Tank since they could ignite fumes.**
6. **Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing.** These objects could ignite fumes or vapors.
7. **Do not add fuel or oil while the Engine is running or while the Engine is still hot.** Do not operate the Plate Compactor with known leaks in the fuel system.

8. **Excessive buildup of unburned fuel gases in the exhaust system can create a potentially explosive condition.** This buildup can occur after repeated failed start attempts, valve testing, or hot engine shutdown. If this occurs, open exhaust system drain plugs, if equipped, and allow the gases to dissipate before attempting to restart the Engine.
9. **Always check the Engine oil level prior to starting the Engine.** Read and understand the Robin Subaru Engine Owner's Manual for the proper oil level and oil change schedules.
10. **Use only engine manufacturer recommended fuel and oil.** Refer to the Engine Owner's Manual for further instructions.

### **MECHANICAL PRECAUTIONS**

1. **ALWAYS make sure the Engine's Power Switch is in its "OFF" position before performing any maintenance on the Plate Compactor.** Disconnect the spark plug wire, and allow the Engine to completely cool before carrying out maintenance.
2. **Check for damaged parts.** Check for alignment and binding of moving parts, any broken parts or mounting fixtures, and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
3. **Read and understand all instructions and safety precautions outlined in the Engine manufacturer's Owner's Manual.** Do not attempt to operate the Plate Compactor until you fully understand how to properly operate and maintain the Engine and how to avoid accidental injuries and/or property damage.
4. **Do not alter or adjust any part of the Plate Compactor that is assembled and supplied by the manufacturer.**
5. **Always follow and complete scheduled Engine and Plate Compactor maintenance.**
6. **Any adjustments or repairs not covered in this manual must be performed by a qualified service professional.**

### **BURN AND CHEMICAL PRECAUTIONS**

1. **Avoid contact with hot fuel, oil, exhaust fumes, and hot solid surfaces.**
2. **Avoid body contact with fuels, oils, and lubricants used in the Engine.** If swallowed, seek medical treatment immediately. Do not induce vomiting if fuel is swallowed. For skin contact, immediately wash with soap and water. For eye contact, immediately flush eyes with clean water, and contact your doctor.

## NOISE PRECAUTIONS

1. **Prolonged exposure to noise levels above 85 dBA is hazardous to hearing.** Always wear ANSI approved ear protection when operating or working around the Plate Compactor when it is running.

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## INSTALLING THE WHEEL KIT

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**NOTE:** For additional references to the parts listed in the following pages, refer to the Assembly Diagram.

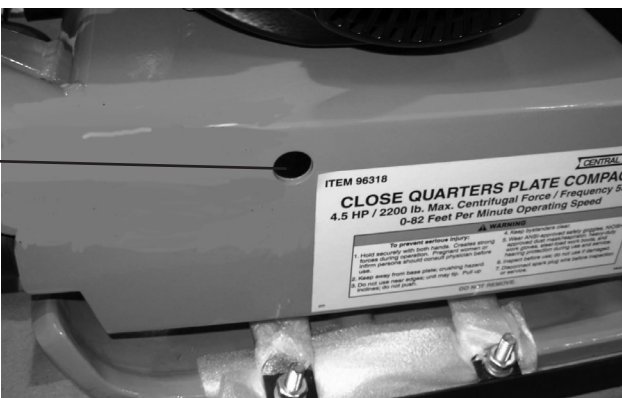
1. To move the Plate Compactor back and forth, install the Wheel Kit to underneath the Plate. The Wheel Kit is pre-assembled and only needs to be installed.
2. Untie the Wheel assembly from the clamp assembly. See photo, below.

Wheel assembly tied  
to clamp assembly



3. Use the holes on either side of the frame to mount the Wheel Kit. See photo, below. **Please note:** The mounting arms on the Kit will need to be slightly spread apart to get the ends of the arms into the holes.

Wheel Kit  
Mounting  
Hole



4. Once the Wheels are mounted, the Plate Compactor can be tilted back and then moved by the wheels.

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## VIBRATION HAZARD

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This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.



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## OPERATING INSTRUCTIONS

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**NOTE:** For additional references to the parts listed in the following pages, refer to the Assembly Diagram.

### **Pre-Start Checks:**

1. Unfold Handle Assembly (upward) and secure with Locking Grip (61) on each side.
2. Read and adhere to all safety warnings and instructions presented in the Robin Subaru Engine Manual. (Model Ex-13)
3. Check to make sure the Engine's Power Switch is in its "OFF" position.

**IMPORTANT!** Prior to initial use, the Plate Compactor's Engine **MUST** be filled with approximately 3/4 quart of a high quality SAE 10W-30 grade engine oil.

4. Unscrew and remove the Engine's Oil Fill Plug located at the bottom of the Engine Crankcase.
5. Fill the Engine's Crankcase until the oil level is level with the Oil Fill Hole.
6. Screw the Oil Fill Plug back into the Oil Fill Hole. (For additional information, refer to the engine manufacturer's manual.)
7. Before first use, remove the Engine's Fuel Tank Cap and fill the Fuel Tank with unleaded gasoline. Replace the Fuel Tank Cap. Thereafter, check the Fuel Tank for the amount of unleaded gasoline before each use. Refill the Fuel Tank only with unleaded gasoline.

### **To Start And Operate The Plate Compactor:**

1. Open the Fuel Valve on the Engine and the Throttle (65) on the Handle (66).
2. Turn the Choke Lever on the Engine to its "CHOKE" position.
3. Set the Speed Control Lever to its "LOW" position.
4. Turn the Engine's Power Switch to its "ON" position.
5. Grip the Start Handle of the Engine loosely and pull it slowly several times to allow the gasoline to flow into the Engine's carburetor. Pull gently on the cord until pressure is felt. Release the cord to retract. Hold the handle and pull hard and fast to start the engine. Pull the cord all the way out, using two hands if necessary. If necessary, pull the cord several times until the Engine starts.

6. Allow the Engine to run for several seconds. Then, turn the Choke Lever to its "RUN" position. Adjust the Throttle to appropriate speed.
7. Grip the Upper Handle (66) firmly with both hands. To avoid injury, keep hands, fingers, and feet away from the Compactor base. Grip the Handle of the Compactor firmly with both hands. If both hands are holding the Handle and your feet are clear of the Compactor Base, your hands, fingers, and feet cannot be injured by the Base Plate (1).
8. Adjust the Speed Control Lever between its "LOW" to "HIGH" position, depending on the desired vibration speed.
9. Slowly guide the Plate Compactor in the desired direction.
10. Always keep a safe distance away from the edge of ditches and avoid any actions that may cause the Plate Compactor to topple over.
11. Always ascend slopes carefully in a direct path and back up slopes to prevent the Plate Compactor from toppling back onto the operator.
12. To Stop The Plate Compactor: Turn the Speed Control Lever to its "LOW" position, and turn the Engine's Power Switch to its "OFF" position.
13. Close the Fuel Valve on the Engine.

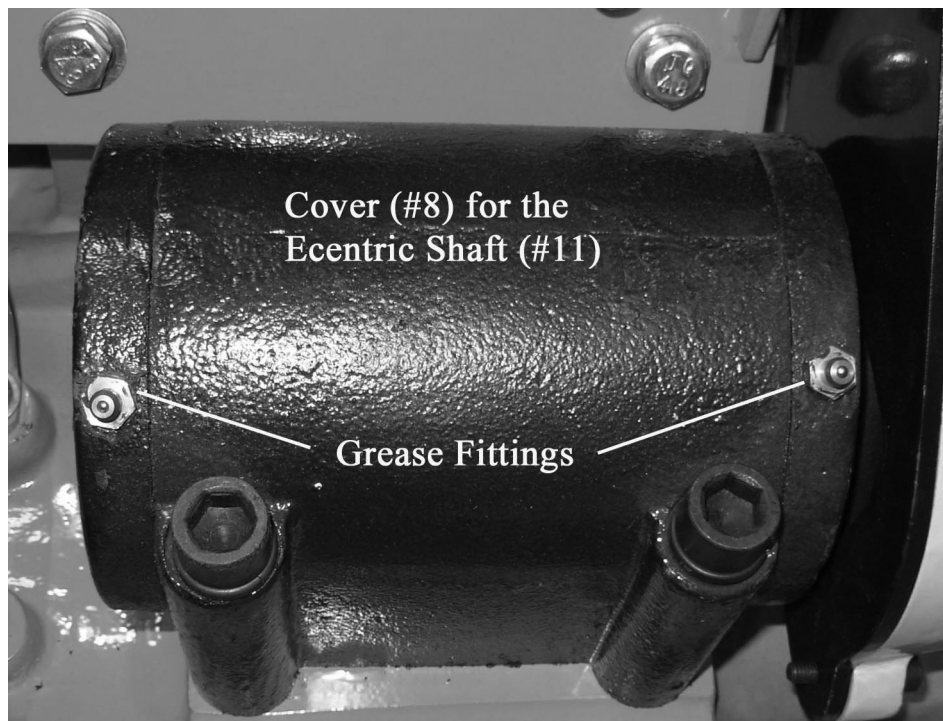
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## **INSPECTION, MAINTENANCE, AND CLEANING**

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1. **CAUTION!** Always make sure the Engine's Power Switch is in the "OFF" position when performing inspection, maintenance, or cleaning. Disconnect the spark plug wire from the engine. Allow sufficient time for the Engine to completely cool before performing any inspection, maintenance, or cleaning on the Plate Compactor and/or Engine.
2. Before each use, inspect the general condition of the Plate Compactor. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation. If an Engine problem occurs, always have the Engine immediately checked out by a qualified service technician before further use. **Do not use damaged equipment.**
3. Before each use, check to make sure the engine's oil level is full. If necessary, add oil until the level is even with the Oil Fill Hole.
4. Before each use, remove all debris from the Plate Compactor with a soft brush, vacuum, or compressed air. Then use a premium quality lightweight machine oil to lubricate all moving parts.

5. Every 25 hours of use, drain the old Engine oil and replace with approximately 3/4 (0.6) quart of a high quality SAE 10W-30 grade engine oil. Make sure to contact a local environmental or recycling center for proper disposal of old oil.
6. Follow all directions for maintenance and upkeep listed in the Robin Subaru Engine manual.
7. Every 300 hours of use, have a qualified, certified technician perform thorough maintenance on the Plate Compactor and Engine.
8. The Grease Bearing (45) must be greased through the grease port after every 120 hours of use.
9. To lube the Eccentric Shaft (11), use the two grease fittings on the top of the Cover (8). See photo, below.



10. When the Plate Compactor is operated frequently and/or under heavy-duty use, the Eccentric Shaft (11) should be checked and lubed before each use. The grease (not included) should be comparable to Mobilux EP 3.

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## LIMITED 1 YEAR WARRANTY

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Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from the date of purchase (90 days if used by a professional contractor or if used as rental equipment). See engine manufacturer's warranty which covers engine. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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### PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## PARTS LIST

Part	Description	Qty	Part	Description	Qty
1	Base Plate	1	35	Belt Cover Plate	1
2	Bolt M12x30	1	36	Engine Fixing Plate	2
3	Spring Washer 12	1	37	Spring Washer 8	4
4	Washer	1	38	Nut M8	4
5	Driven Pulley	1	39	Engine	1
6	Inner Hex Screw M6x20	6	40	Spacer	1
7	Spring Washer 6	6	41	Flat Key 5x50	1
8	Cover	1	42	Bolt 5/16"-24	4
9	Bearing 6308	2	43	Shaft Circlip 30	1
10	Flat Key 10x30	1	44	Hole Circlip 55	1
11	Eccentric Shaft	1	45	Bearing 6006	2
12	Inner Hex Screw M16x40	2	46	V-Belt	2
13	Spring Washer 16	4	47	Driving Pulley	1
14	Inner Hex Screw M16x120	2	48	Clutch Wheel Shield Plate	1
15	Spring Washer 6	6	49	Spring	1
16	Inner Hex Screw M6x20	6	50	Idle Block	6
17	End Cap	1	51	Impeller	1
18	Shaft Sleeve	1	52	Washer 8	1
19	Lifting Knob	1	53	Bolt 5/16"-24	1
20	Bolt M10x20	2	54	Belt Cover	1
21	Spring Washer 10	2	55	Inner Hex Screw M8x65	2
22	Rubber Bumper	4	56	Inner Hex Screw M8x15	1
23	Spring Washer 12	4	57	Bolt M12x60	2
24	Nut M12	4	58	Spring Washer 12	2
25	Shaft Circlip 16	2	59	Nut M12	2
26	Flat Washer 16	4	60	Supplemental Grip	1
27	Wheel	2	61	Locking Grip	2
28	Axle	1	62	Bolt M10x60	2
29	Cover Plate	1	63	Rivet	2
30	Bolt M8x60	1	64	Fixing Screw	3
31	Nut M8	1	65	Throttle	1
32	Axle Locking Buckle	1	66	Handle	1
33	Washer 8	1			
34	Dishing Nut M8	1			

**Record Product's Serial Number Here:** \_\_\_\_\_

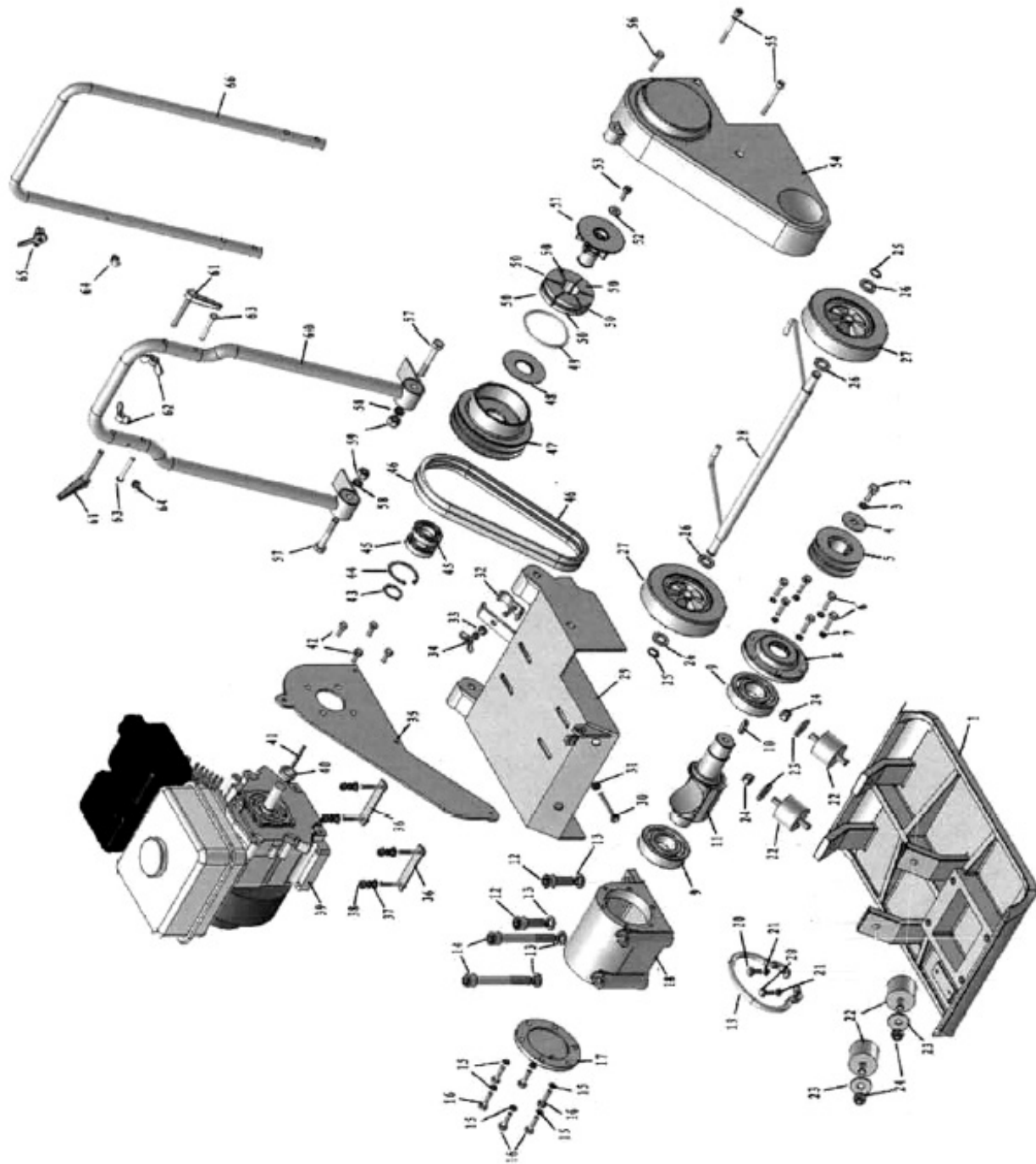
**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

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## ASSEMBLY DIAGRAM

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Note: Drawing is not to scale



# Emission Control System Warranty

## **California and United States Emission Control Defects Warranty Statement**

The California Air Resources Board (herein CARB), the United States Environmental Protection Agency (herein EPA), and Harbor Freight Tools® (herein HFT) are pleased to explain the emission control system warranty on your 1995 and later Small Off-Road Engine (herein engine). In California, the engine must be designed, built and equipped to meet the State's stringent anti-smog standards. Elsewhere within the United States, new off-road, spark-ignition engines certified for model year 1997 and later, must meet similar standards set forth by the EPA. HFT must warrant the emission control system on your engine for the periods of time described below, provided there has been no abuse, neglect or improper maintenance of your engine.

Your emission control system may include parts such as the carburetor or fuel-injection system, and the ignition system. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, HFT will repair your engine at no cost to you including diagnosis, parts and labor.

## **Manufacturer's Warranty Coverage**

The 1995 and later engines are warranted for two (2) years. If any emission-related part on your engine is defective, the part will be repaired or replaced by HFT.

## **Harbor Freight Tools Emission Control Defects Warranty Coverage**

Engines are warranted for a period of two (2) years relative to emission control parts defects, subject to the provisions set forth below. If any emission related part on your engine is defective, the part will be repaired or replaced by HFT.

## **Owner's Warranty Responsibilities**

- As the engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. HFT recommends that you retain all receipts covering maintenance on your engine, but HFT cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- As the engine owner, you should, however, be aware that HFT may deny you warranty coverage if your engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- You are responsible for shipping your engine to a HFT warranty station as soon as a problem exists. Contact the HFT Customer Service department at the number below to make shipping arrangements. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact the Harbor Freight Tools Customer Service Department at 1-800-444-3353.

## **Harbor Freight Tools Emission Control Defects Warranty Provisions**

### **1. Length of Coverage**

HFT warrants to a first retail purchaser and each subsequent purchaser that the engine is free from defects in materials and workmanship that cause the failure of warranted parts for a period of two (2) years after the date of delivery to the first retail purchaser.

### **2. No Charge Repair or Replacement**

Repair or replacement of any warranted part will be performed at no charge to the owner if the work is performed through a warranty station authorized by HFT. For emissions warranty service, contact the HFT Customer Service Department at 1-800-444-3353.

### **3. Consequential Damages Coverage**

Coverage under this warranty shall also extend to the failure of any engine components caused by the failure of any warranted part while it is still covered under this warranty.

### **4. Coverage Exclusions**

Warranty claims shall be filed in accordance with the provisions of the HFT warranty policy explained in the box at the top of the previous page. HFT shall not be liable for any loss of use of the engine, for any alternative usage, for any damage to goods, loss of time, or inconvenience. Warranty coverage shall also be excluded for any part which fails, malfunctions, or is damaged due to failure to follow the maintenance and operating instructions set forth in the Owner's Manual including, but not limited to:

- (a) use of parts which are not authorized by HFT
- (b) improper installation, adjustment or repair of the engine or of any warranted part unless performed by an authorized warranty center
- (c) failure to follow recommendations on fuel use contained in the Owner's Manual
- (d) improper or inadequate maintenance of any warranted parts
- (e) repairs performed outside of the authorized warranty service dealers



- (f) alterations by changing, adding to or removing parts from the engine.

## **5. Service and Maintenance**

Component parts which are not scheduled for replacement as required maintenance or are scheduled only for regular inspection to the effect of "repair or replace as necessary" are warranted for the warranty period. Any warranted part which is scheduled for replacement as required maintenance is warranted for the period of time up to the first scheduled replacement point for that part. Any replacement part, provided it is equivalent in durability and performance, may be used in performance of maintenance or repairs. The owner is responsible for commissioning a qualified technician/mechanic to perform all required maintenance, as outlined in the **Inspection, Cleaning, and Maintenance** section on page 9 and 10 of this manual.

## **6. Warranted Parts**

### **1) Fuel Metering System**

- i) Carburetor and its internal parts.
- ii) Fuel pump (if so equipped).
- iii) Cold start enrichment system.

### **2) Air Induction System**

- i) Intake pipe/manifold.
- ii) Air cleaner.

### **3) Ignition System**

- i) Spark plug.
- ii) Magneto ignition system.

### **4) Catalyst System (if so equipped)**

- i) Exhaust pipe stud.
- ii) Muffler.
- iii) Catalytic converter (if so equipped).

### **5) Miscellaneous items Used in Above Systems**

- i) Vacuum, temperature and time sensitive valves and switches.
- ii) Hoses, belts, connectors, and assemblies.